

TECHNICAL DATA SHEET

Name and address of manufacturer	:	PROTAN TURKEY YALITIM SAN. VE TİC. A.Ş. G.O.S.B. İhsandede Caddesi No:111/1 Gebze/KOCAELİ / TÜRKİYE
Product trade name	:	PROTAN T
Description	:	PVC Homogeneous, Artificial Lakes and Ponds Membrane
European Standart	:	EN 13967
Type of application	:	Damp proof sheets Type A and basement tanking sheets Type T
Standart dimensions	:	Width : 2200 mm Length : 20 m

CHARACTERISTICS ÖZELLİKLER	REQUIRED MIN. VALUE	TEST RESULT	TEST RESULT	TEST RESULT	TEST RESULT	UNIT	TEST METHODS
THICKNESS	MDV	1,20 ± %5	1,50 ± %5	1,80 ± %5	2,00 ± %5	mm	EN 1849-2
WATER PERMEABILITY	Waterproof	Waterproof	Waterproof /	Waterproof	Waterproof /	-	EN 1928
WATER TIGHTNESS TO LIQUID WATER	Waterproof	Waterproof	Waterproof	Waterproof	Waterproof	-	EN 1296 and EN 1928
RESISTANCE TO STATIC LOADING	≥ 20	≥ 20	≥ 20	≥ 20	≥ 20	kg	EN 12730
TENSILE STRENGTH	L ≥ 15	L ≥ 15	L ≥ 16	L ≥ 17	L ≥ 18	N/mm ²	EN 12311-2 (Method B dumble)
	T ≥ 15	T ≥ 15	T ≥ 15	T ≥ 16	T ≥ 17		
ELONGATION AT BREAK	L ≥ 250	L ≥ 250	L ≥ 250	L ≥ 300	L ≥ 300	%	EN 12311-2 (Metot B papyon) (Method B dumble)
	T ≥ 250	T ≥ 250	T ≥ 250	T ≥ 300	T ≥ 300		
RESISTANCE TO IMPACT	≥ 450	≥ 450	≥ 450	≥ 500	≥ 800	mm	EN 12691
RESISTANCE TO TEAR (NAIL SHANK)	≥ 300	≥ 300	≥ 300	≥ 350	≥ 400	N	EN 12310-1
REACTION TO FIRE	CLASS E	CLASS E	CLASS E	CLASS E	CLASS E	-	CLASSIFICATION AFTER EN 13501-1
JOINT STRENGTH	≥ 600	≥ 600	≥ 600	≥ 700	≥ 800	N/50mm	EN 12317-2
DETERMINATION OF WATER VAPOR TRANSMISSION	≥ 18.000 ± 30 %	≥ 18.000 ± 30 %	≥ 18.000 ± 30 %	≥ 18.000 ± 30 %	≥ 18.000 ± 30 %	μ	EN 1931
PEEL RESISTANCE OF JOINT	≥ 150	≥ 150	≥ 180	≥ 200	≥ 220	N/50mm	EN 12316-2
DIMENSIONAL STABILITY	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2	%	EN 1107-2
FOLDABILITY AT LOW TEMPERATURE	-20	-20	-20	-20	-20	°C	EN 495-5
VISIBLE DEFECTS	Pass	Pass	Pass	Pass	Pass	-	EN 1850-2
EFFECTS OF LIQUID CHEMICALS, INCLUDING WATER (28 DAYS / 23° C)	Resistant	Resistant	Resistant	Resistant	Resistant	-	EN 1847, EN 1928, Method B

MDV = Manufacturer's Declared Value

L = Machine Direction

T = Cross Direction